RD SYSTEMS a biotechne brand

Monoclonal Mouse IgG_{2B} Clone # 486617 Catalog Number: MAB102721

DESCRIPTION	
Species Reactivity	Human
Specificity	Detects human EBI2 in direct ELISAs.
Source	Monoclonal Mouse IgG _{2B} Clone # 486617
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived transfected with recombinant human EBI2 Accession # P32249
Formulation	Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 μm filtered solution in PBS.

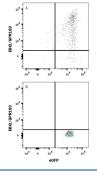
APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

	Recommended Sample Concentration	
Flow Cytometry	0.25 µg/10 ⁶ cells See Below	
CyTOF-ready	Ready to be labeled using established conjugation methods. No BSA or ot with conjugation.	her carrier proteins that could interfere

DATA

Flow Cytometry



Detection of EBI2/GPR183 in HEK293 Human Cell Line Transfected with Human EBI2/GPR183 and eGFP by Flow Cytometry. HEK293 human embryonic kidney cell line transfected with either (A) human EBI2/GPR183 or (B) irrelevant protein, and eGFP was stained with Mouse Anti-Human EBI2/GPR183 Monoclonal Antibody (Catalog # MAB102721) followed by Allophycocyanin-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # F0101B). Quadrant markers were set based on isotype control antibody (Catalog # MAB0041, data not shown). View our protocol for Staining Membrane-associated Proteins.

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
	 12 months from date of receipt, -20 to -70 °C as supplied.
	 1 month, 2 to 8 °C under sterile conditions after reconstitution.
	 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

Epstein-Barr virus-induced G-protein coupled receptor 2, also known as EBI2 or GPR183 is a G-protein coupled receptor (GPCR) expressed in lymphocytes that acts as a chemotactic receptor for B-cells, T-cells, splenic dendritic cells, and monocytes/macrophages. The GPR183 gene was identified by the up-regulation of its expression upon Epstein-Barr virus infection of the Burkitt's lymphoma cell line BL41. GPR183 collaborates with CXCR5 to mediate B cell homing within a lymph node, probably by forming a heterodimer with CXCR5 that affects its interaction with CXCL13

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